

09/419439

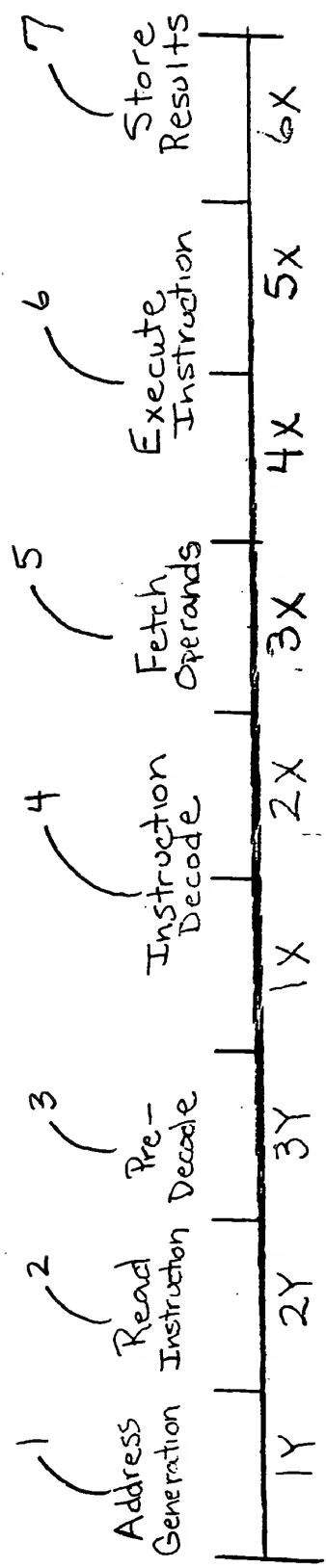


Figure 1

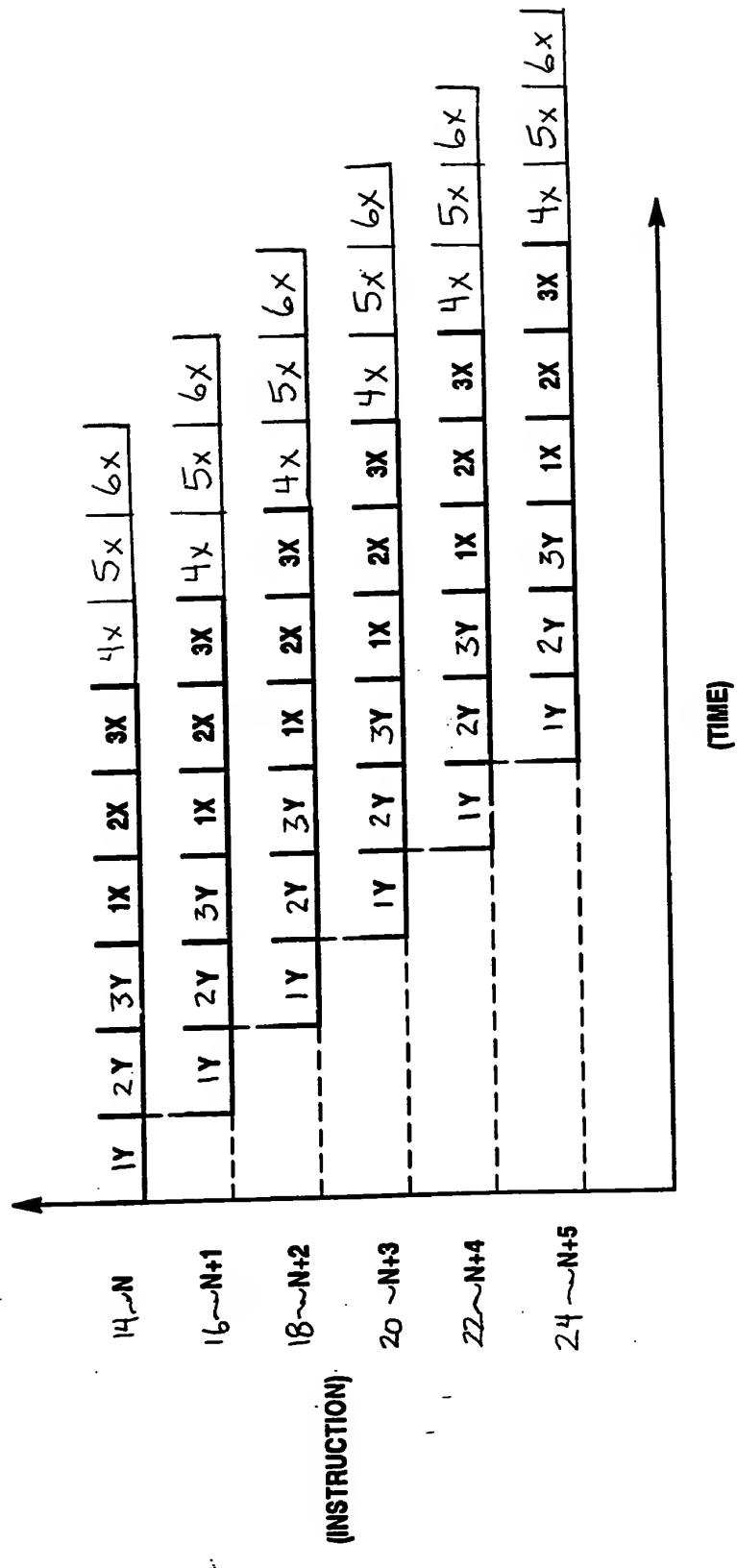
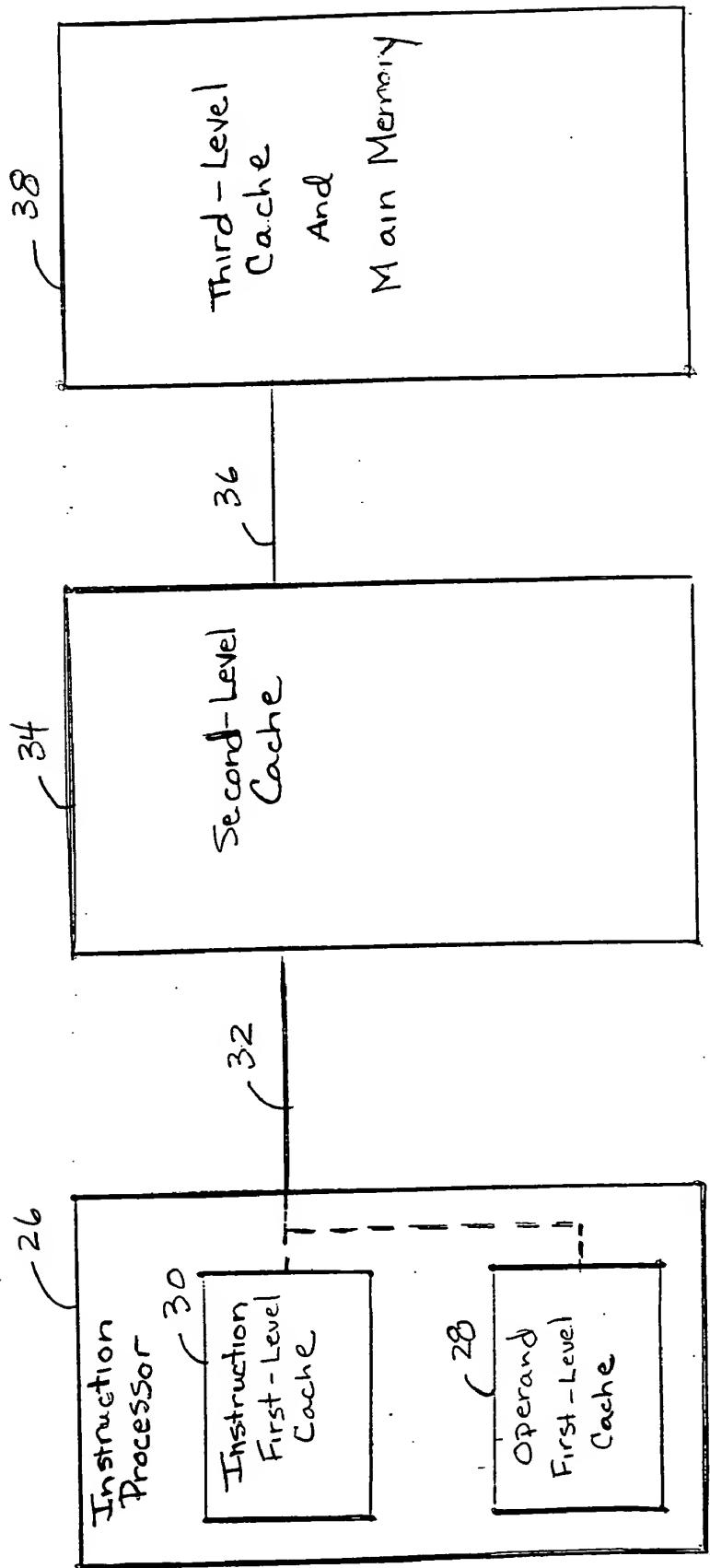


Figure 2

Figure 3



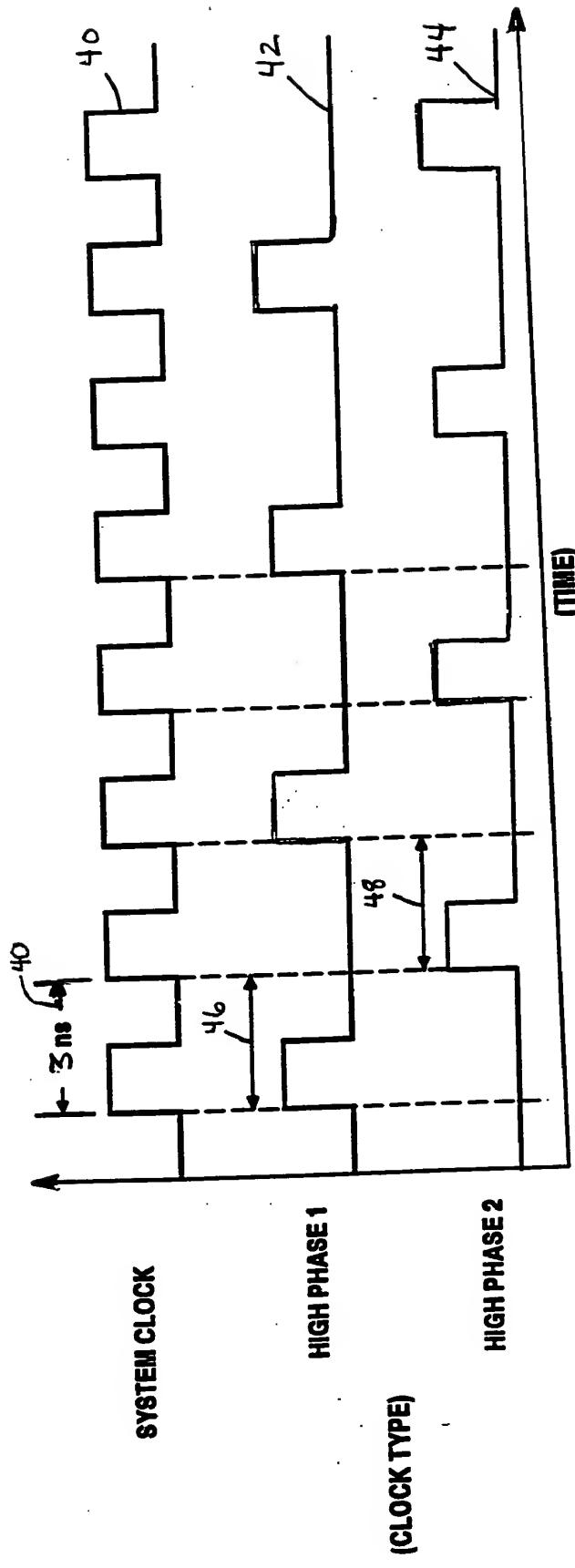


Figure 4

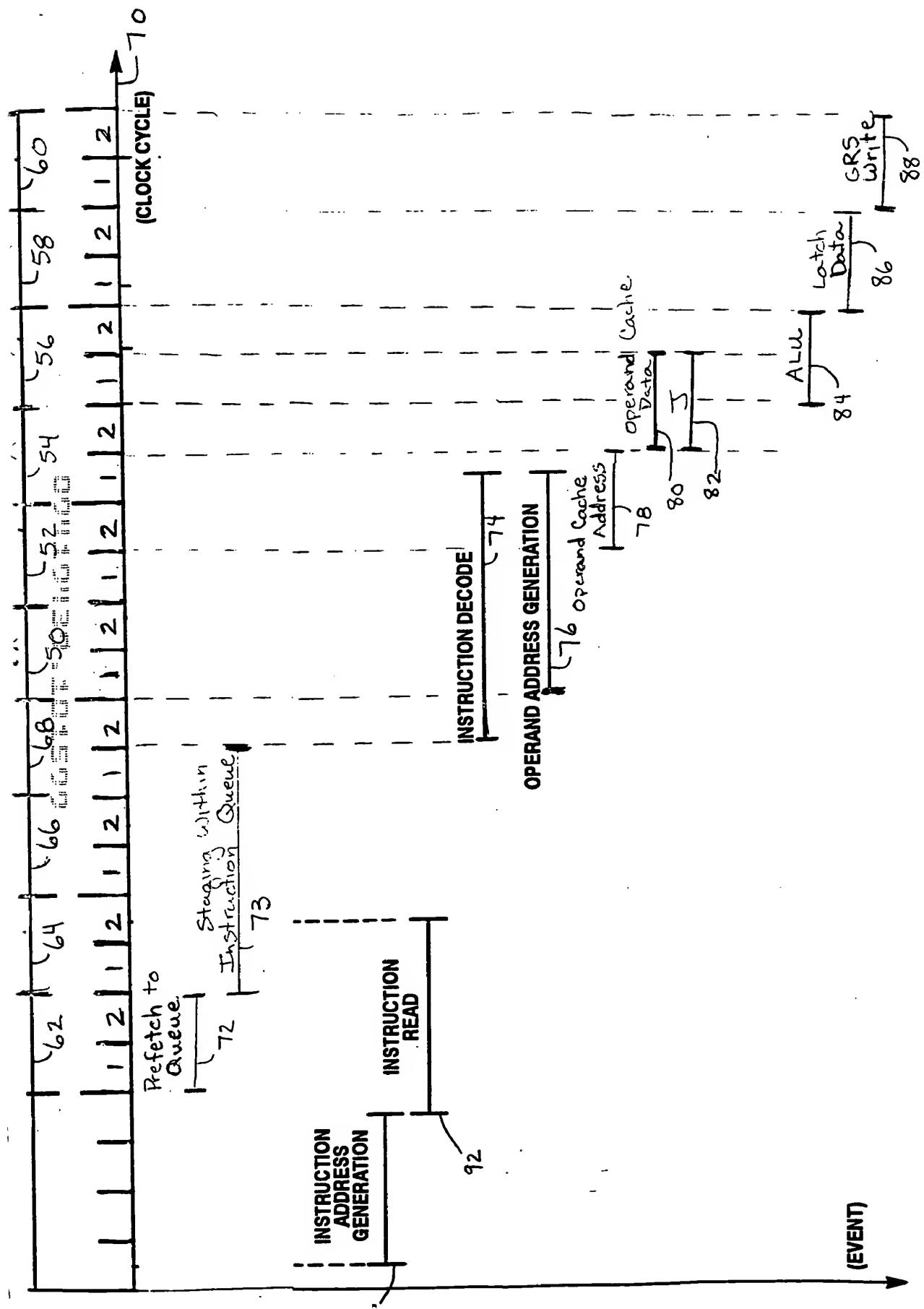


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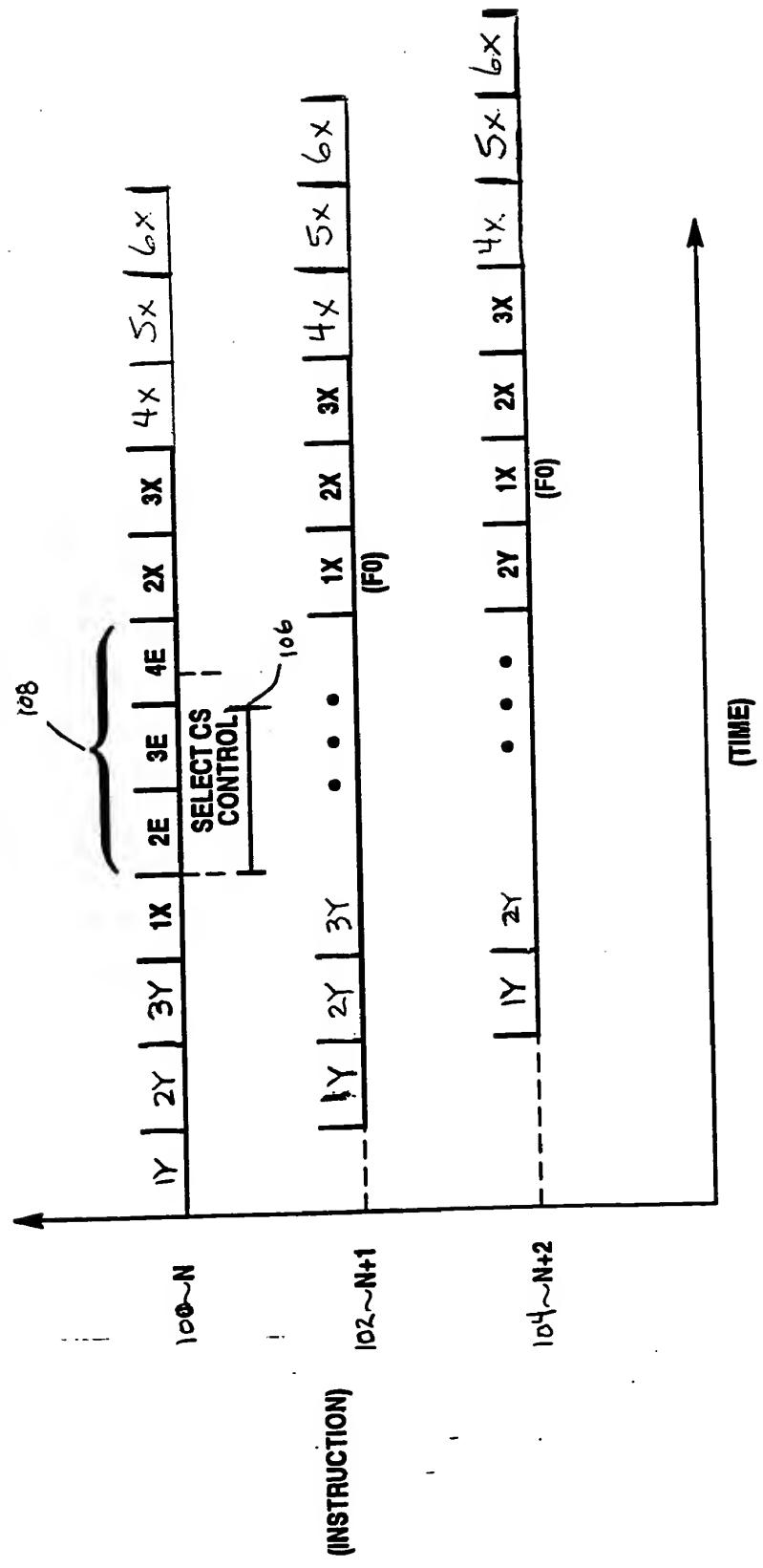


Figure 6

To Second-Level
Cache

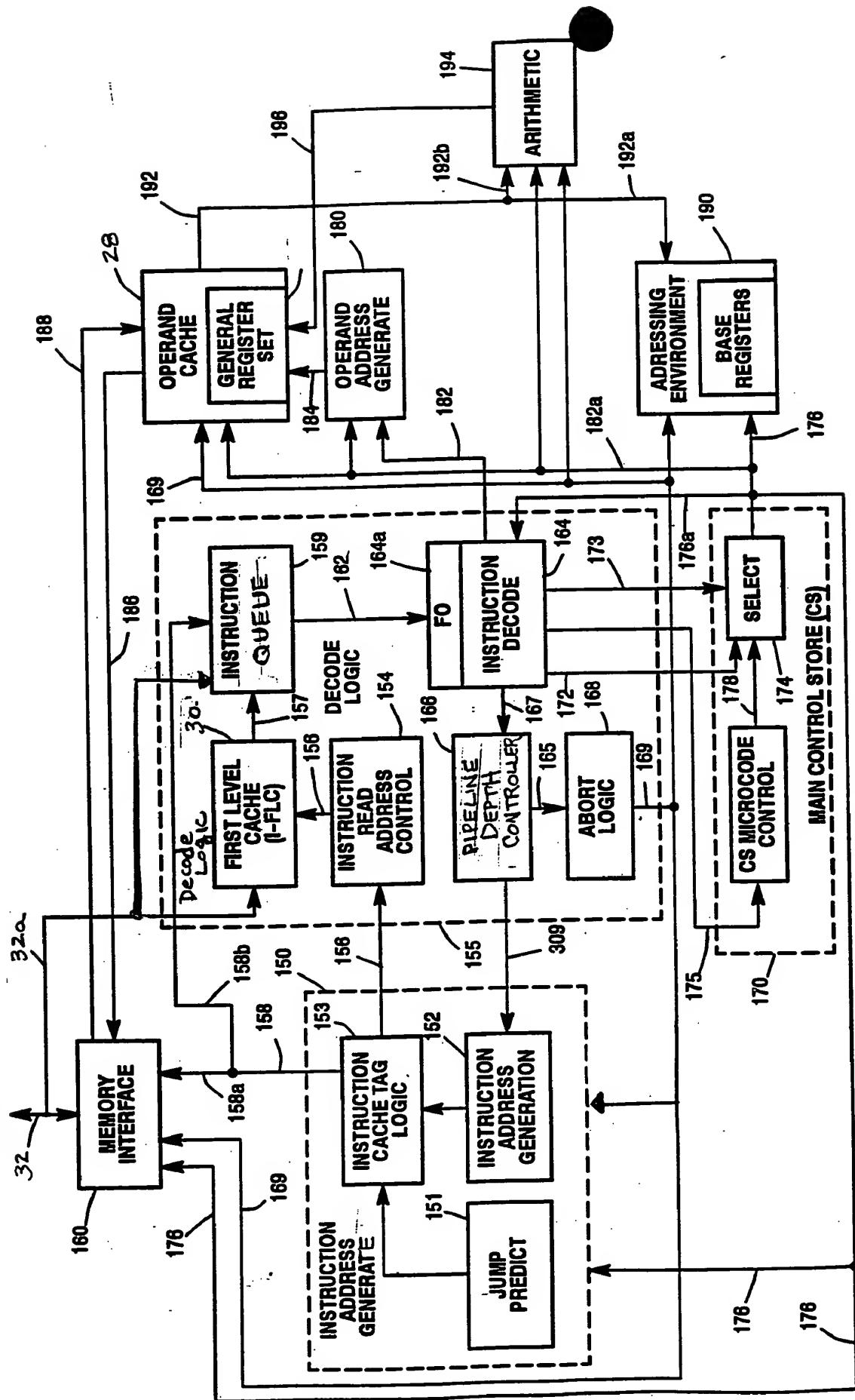


Figure 7

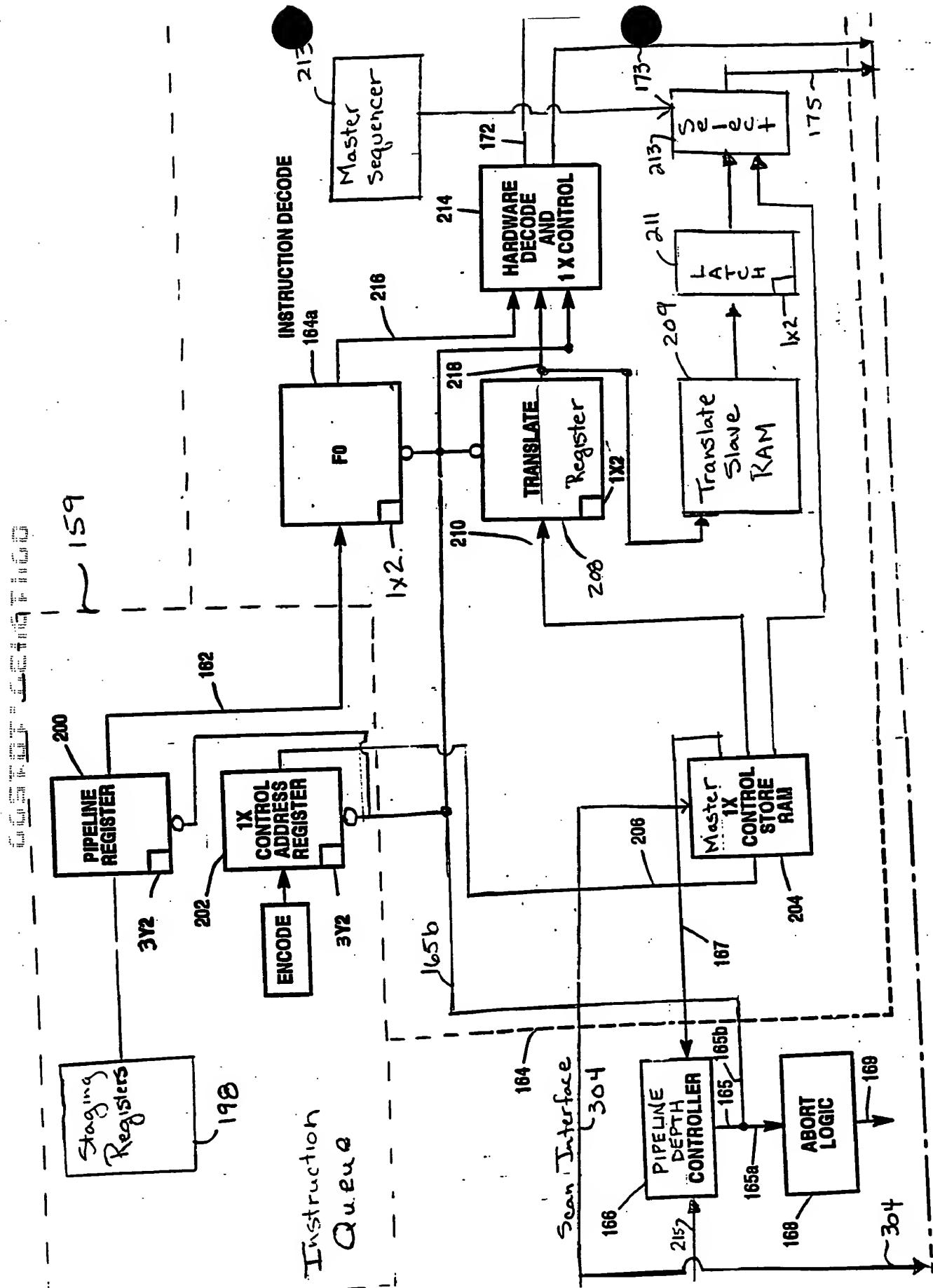


Figure 8A

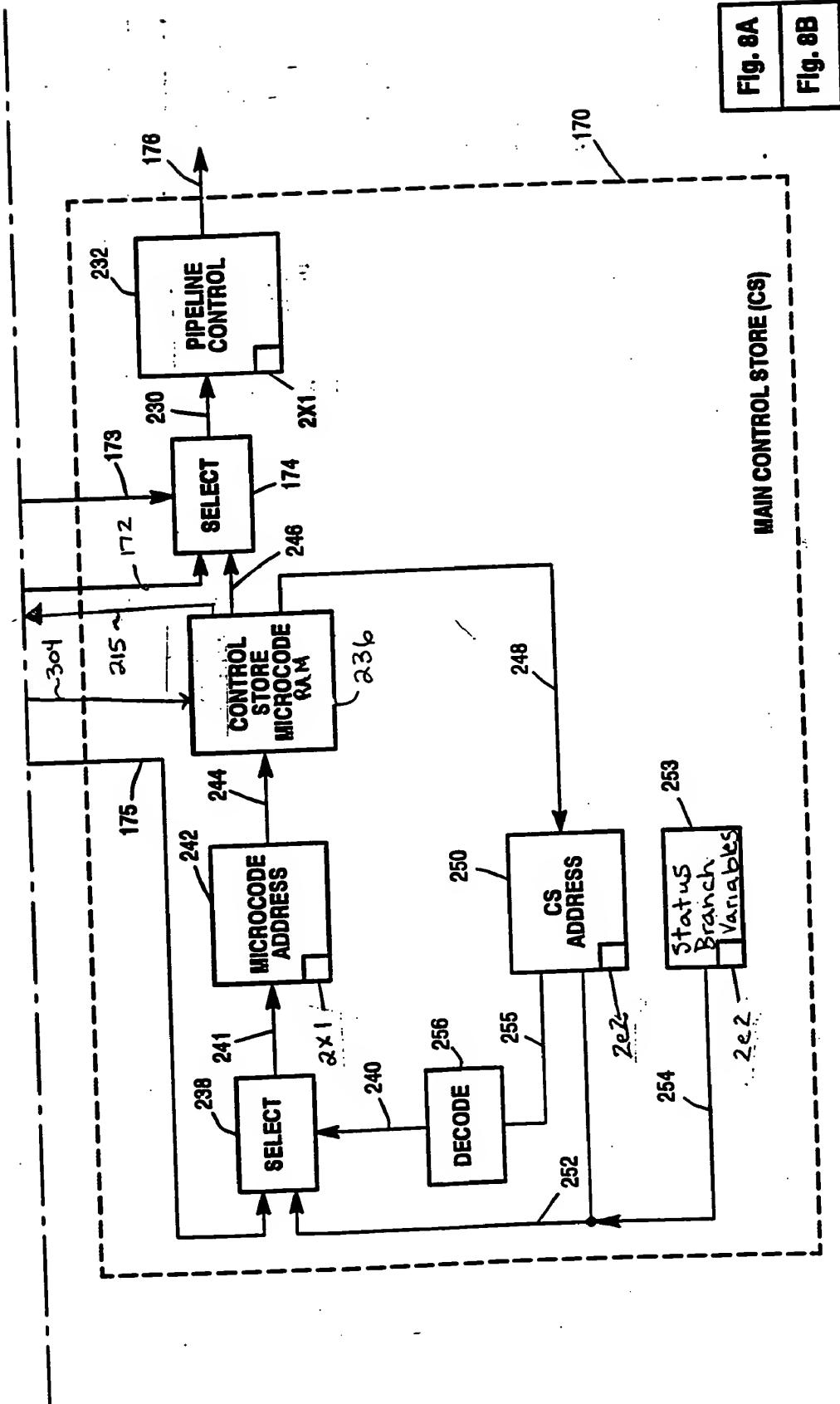


Figure 8B

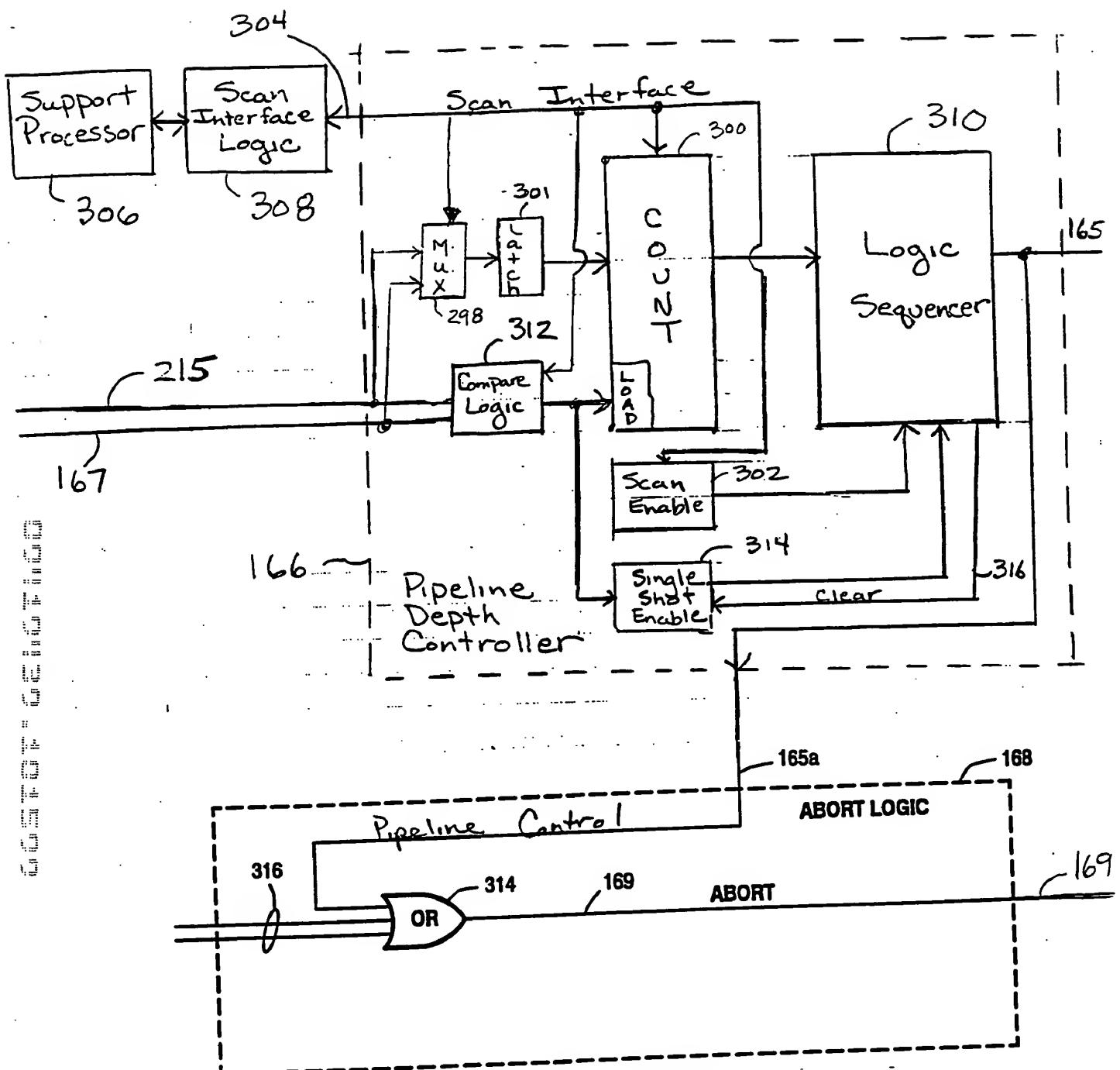
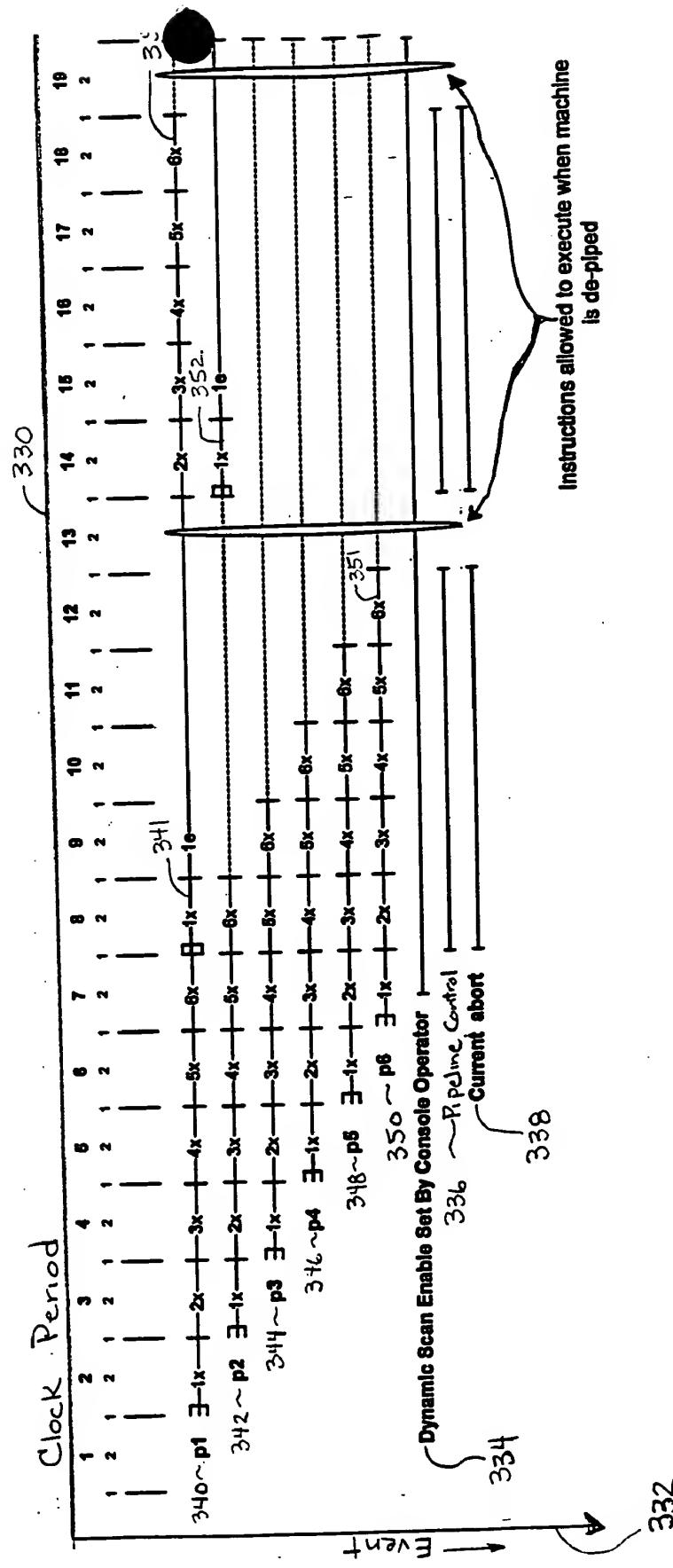
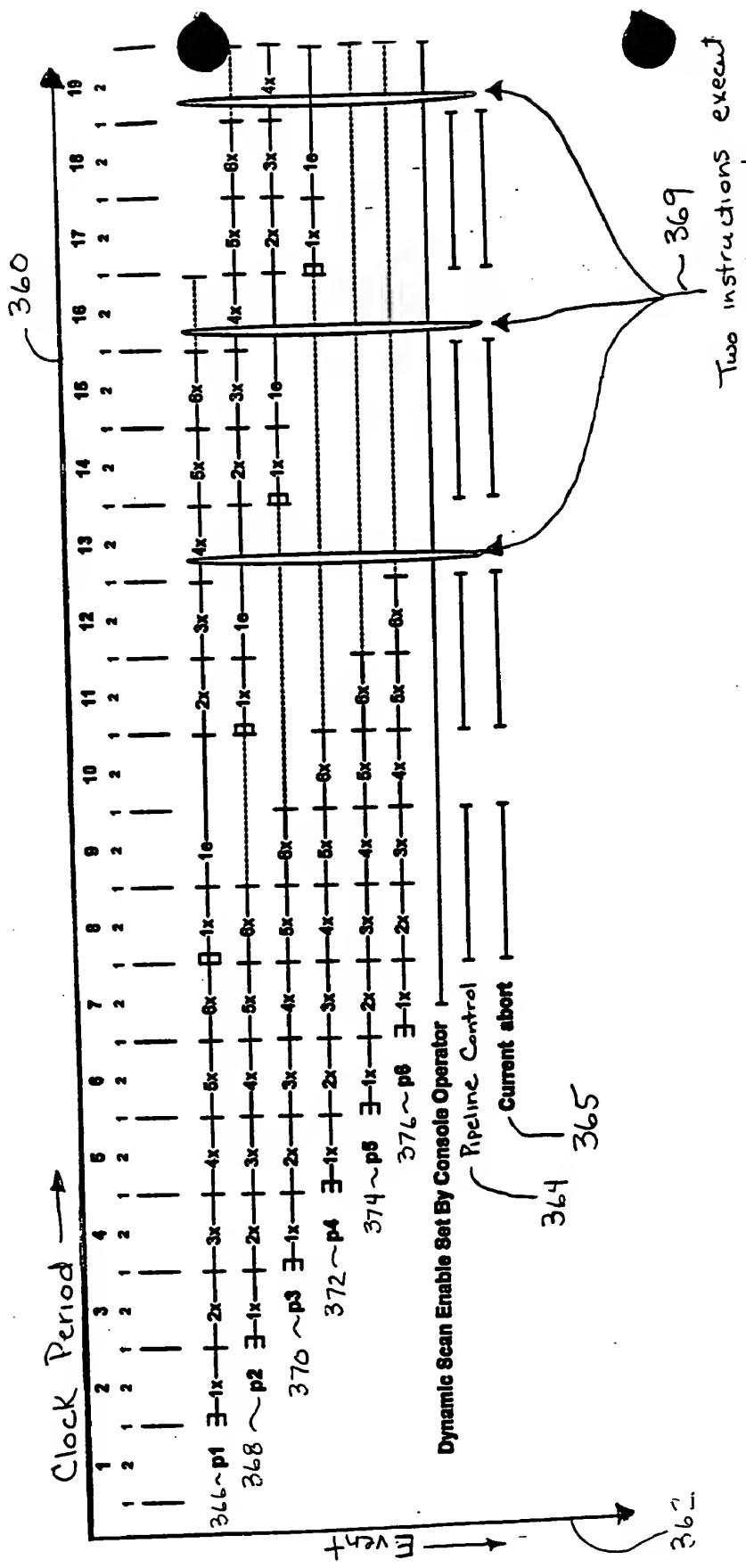


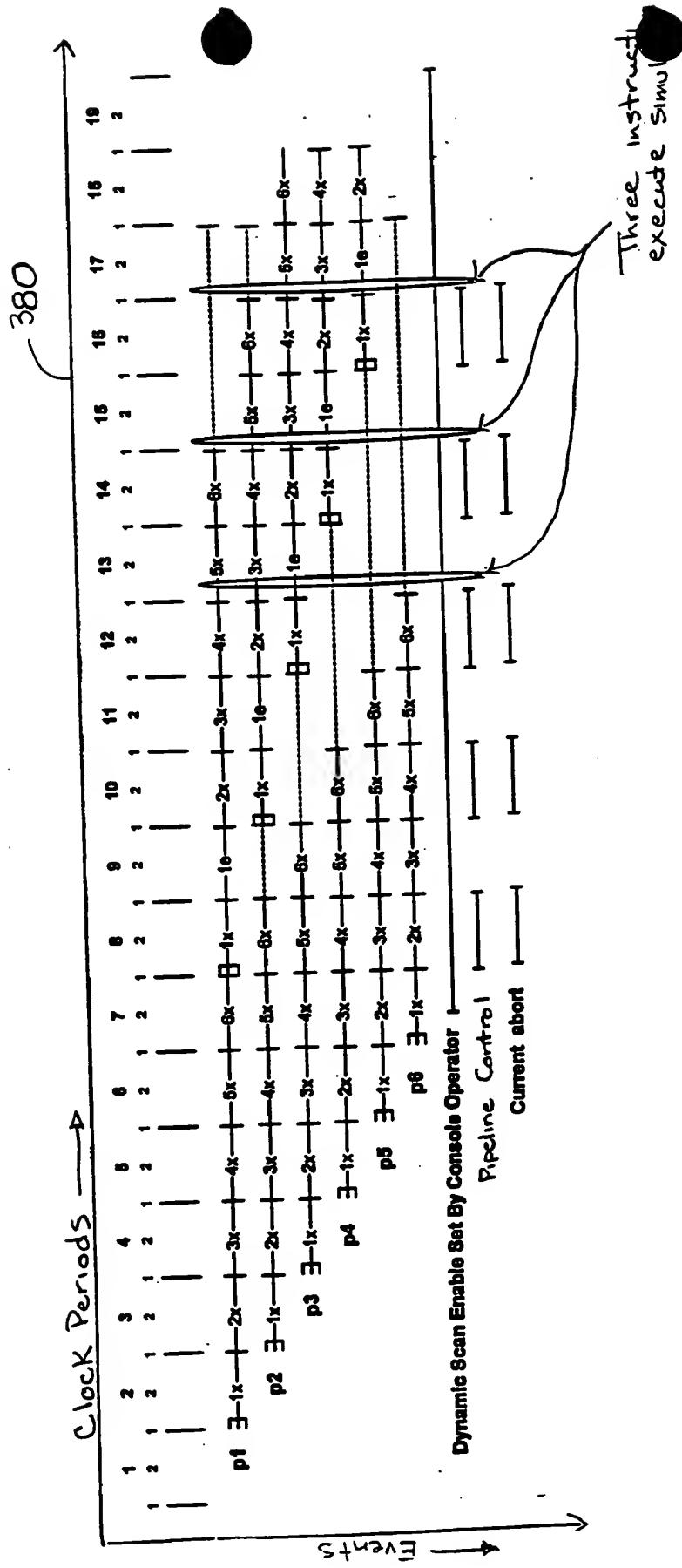
Figure 9



One-Deep Pipeline
Figure 10

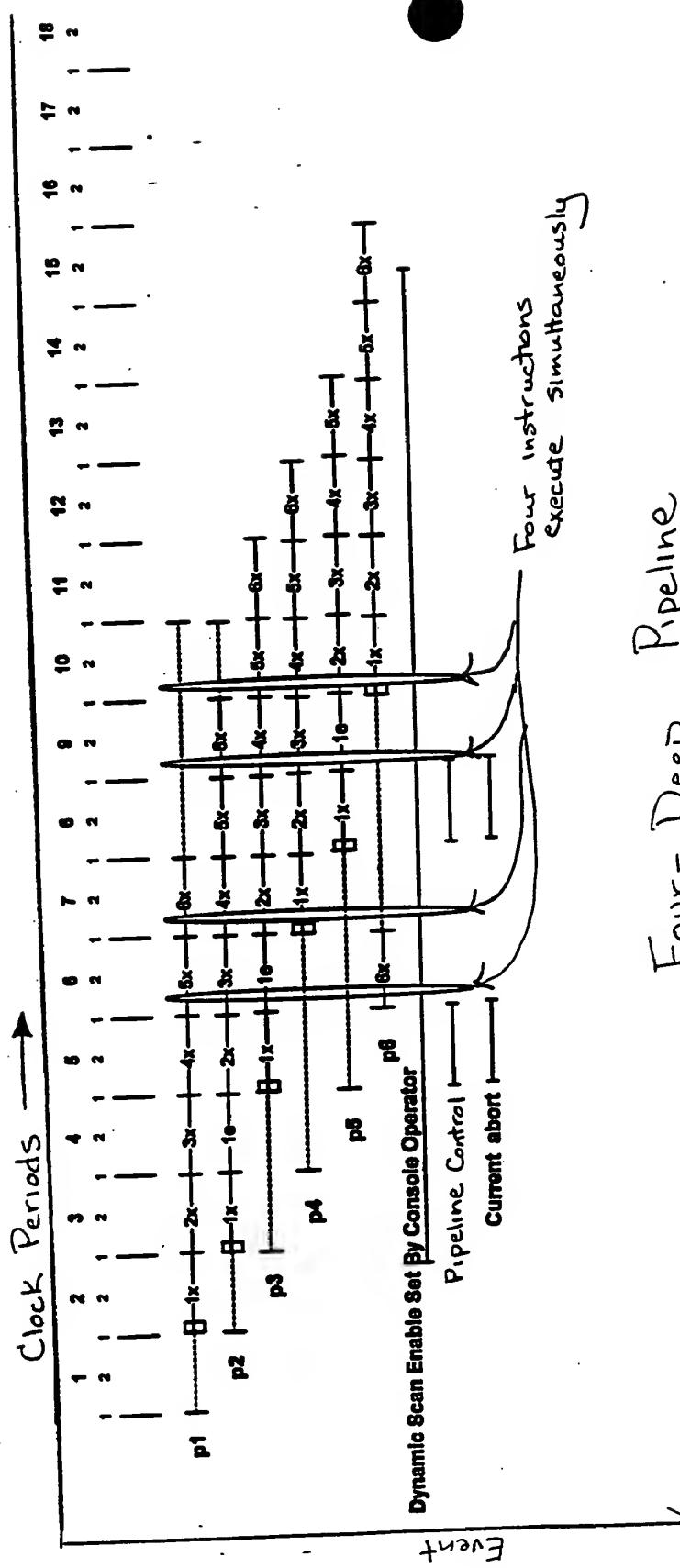


Two-Deep Pipeline
Figure 11



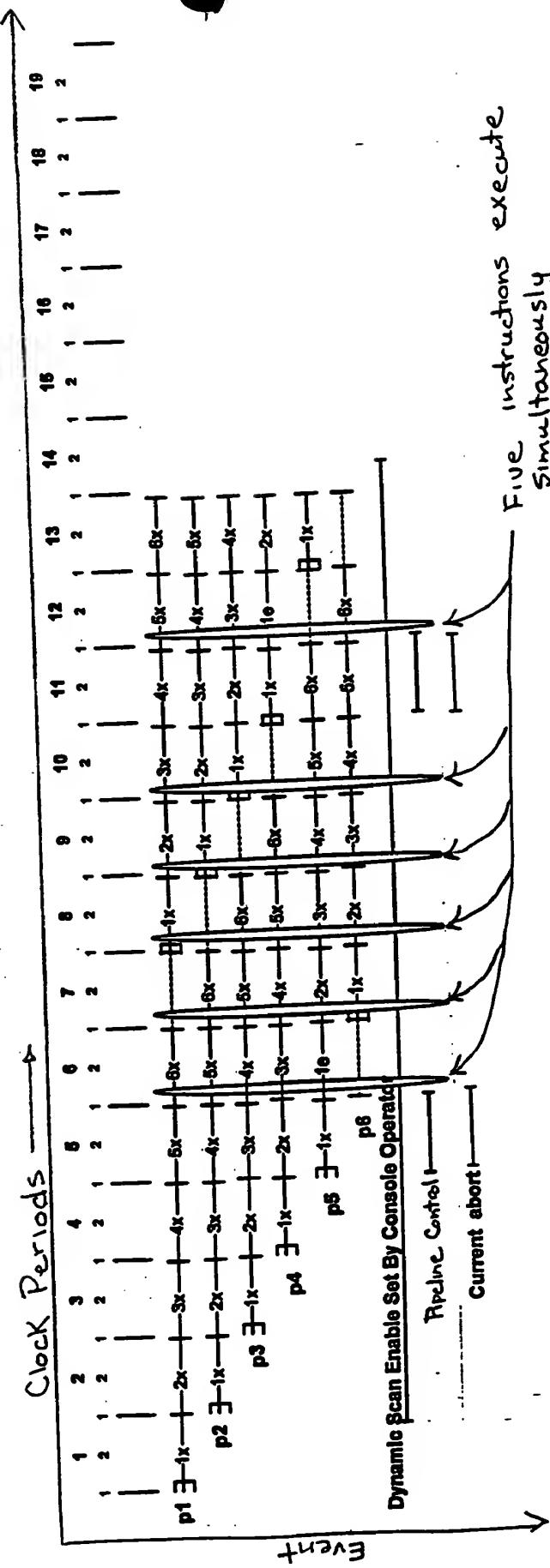
Three instructions
execute simultaneously

Three-Deep Pipeline
Figure 12



Four-Deep Pipeline

Figure 13



Five-Deep Pipeline

Figure 14

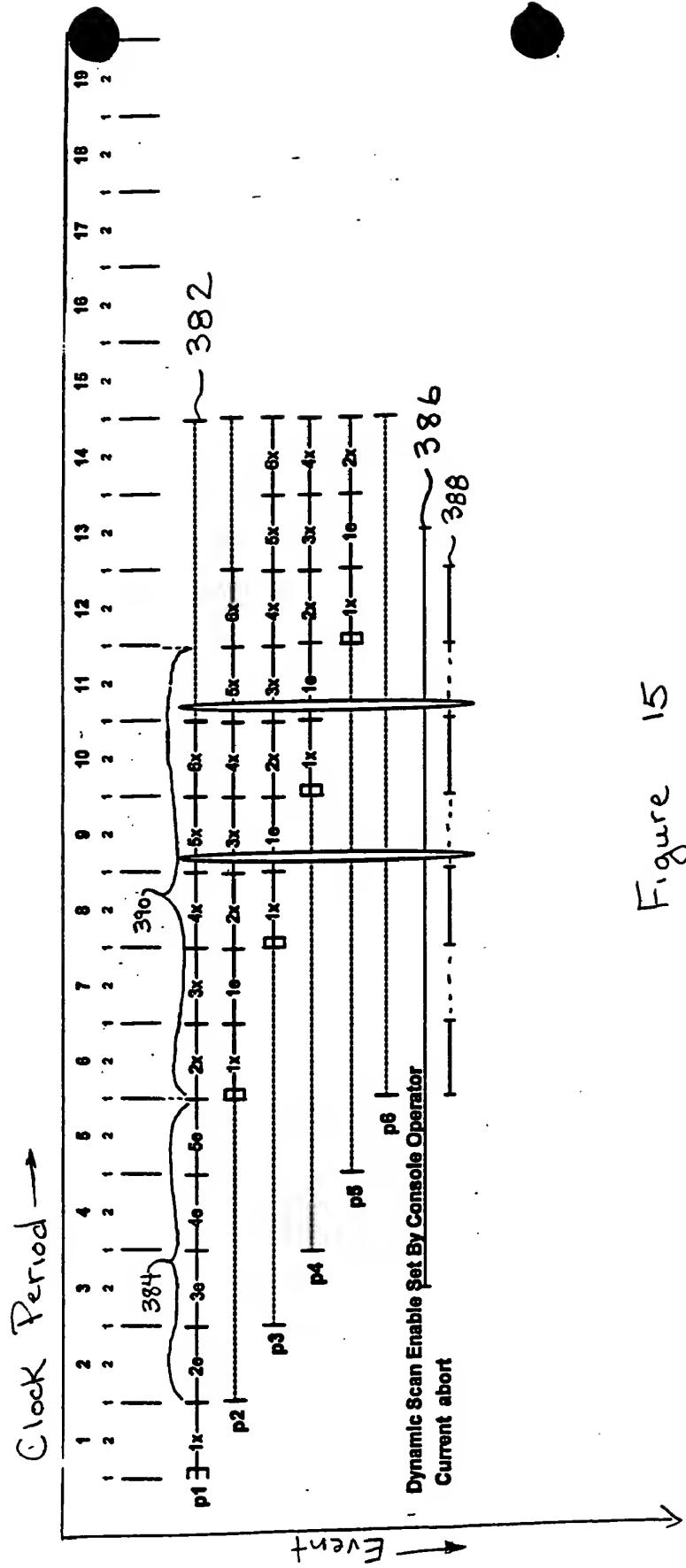
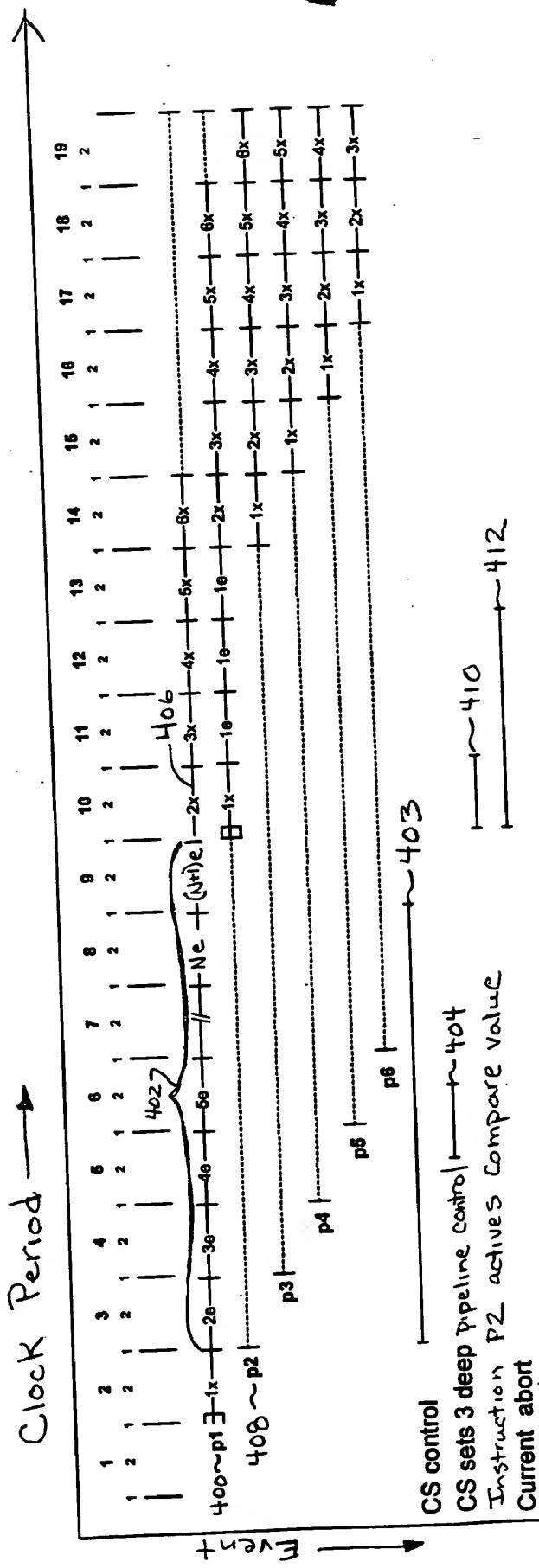


Figure 15



3 deep CS-ID linked
aborts

Figure 16

420 422 424 426 428 430 432

